# Author Index

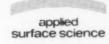
An, F., see Gao, B. Anandan, C., see Balaraju, J.N. Aydin, I., see Temiz, A. Aydin, I., see Temiz, A. Aydogan, Ş., M. Saglam and A. Türüt, On the barrier inhomogeneities of polyaniline/p-Si/Al structure at low temperature Si/Al structure at low temperature Si/Al structure at low temperature Balaraju, J.N., C. Anandan and K.S. Rajam, Morphological study of ternary Ni-Cu-P alloys by atomic force microscopy Bao, Q., see Chen, C. Bao, YJ., see Shao, QY. Bittencourt, C., M.P. Felicissimo, A. Felten, L.A.O. Nunes, P. Ivanov, E. Llobet, JJ. Pireaux and L. Houssiau, Characterization of WO <sub>3</sub> :Ag films: ToF-SIMS studies of ammonia adsorption Bossert, J., see Cai, K. Bouklah, M., A. Ouassini, B. Hammouti and A. El Idrissi, Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>3</sub> , by [(2-pyridin-4-ylethyl)thio]acetic acid  Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and composition of film thickness and evaporation rate Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings Chen, C., S., see Tian, Y.S.  250 (2005) 285  Dang, H., see Zhang, M. Deng, J., see Xie, J. Deng, J., see Xie, see Xie, J. Deng, J., see Xie, J. Deng, J., see Xie, J. Deng, J.,	(5) 268
Aydin, I., see Temiz, A. Aydoğan, Ş., M. Saglam and A. Türüt, On the barrier inhomogeneities of polyaniline/p-Si/Al structure at low temperature  250 (2005) 43  Balaraju, J.N., C. Anandan and K.S. Rajam, Morphological study of ternary Ni–Cu–P alloys by atomic force microscopy  Bao, Q., see Chen, C.  Bao, YJ., see Shao, QY. Bittencourt, C., M.P. Felicissimo, A. Felten, L.A.O. Nunes, P. Ivanov, E. Llobet, JJ. Pireaux and L. Houssiau, Characterization of Wo <sub>3</sub> :Ag films: ToF-SIMS studies of ammonia adsorption  Bossert, J., see Cai, K.  Bouklah, M., A. Ouassini, B. Hammouti and A. El Idrissi, Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>4</sub> by [(2-pyridin-4-ylethyl)thio]acetic acid  Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and composition of film thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  250 (2005) 98  Deqing, W. S. Ziyuan and T. Yingli, Microstructure and oxidation of hot-dip aluminized titanium at high temperature  250 (2005) 43  Deqing, W., S. Ziyuan and T. Yingli, Microstructure and oxidation of hot-dip aluminized titanium at high temperature  250 (2005) 43  Deqing, W., S. Ziyuan and T. Yingli, Microstructure and oxidation of hot-dip aluminized titanium at high temperature  250 (2005) 88  250 (2005) 88  250 (2005) 98  Eikenes, M., see Temiz, A.  El Idrissi, A., see Bouklah, M.  El-Sayed, H.E.A., Structural and optical properties of thermally evaporated Bi <sub>2</sub> Te <sub>3</sub> films  250 (2005) 251  Fan, S., see Gao, W.  Felicissimo, M.P., see Wu, X.S. Fan, Y.H., see Wu, X.S. Fan, Y.H., see Wu, X.S. Fan, Y.H., see Bittencourt, C.  Felten, A., see Bittencourt, C.  Felte	5) 29
Aydogan, Ş., M. Sağlam and A. Türüt, On the barrier inhomogeneities of polyaniline/p-Si/Al structure at low temperature  250 (2005) 43  Balaraju, J.N., C. Anandan and K.S. Rajam, Morphological study of ternary Ni-Cu-P alloys by atomic force microscopy  Bao, Q., see Chen, C. Bao, YJ., see Shao, QY. Bittencourt, C., M.P. Felicissimo, A. Felten, L.A.O. Nunes, P. Ivanov, E. Llobet, JJ. Pircaux and L. Houssiau, Characterization of WO <sub>3</sub> :Ag films: ToF-SIMS studies of ammonia adsorption  Bossert, J., see Cai, K.  Bouklah, M., A. Ouassini, B. Hammouti and A. El Idrissi, Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>3</sub> by [(2-pyridin-4-ylethyl)thio]acetic acid  Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and composition of flat titanium thin films as a function of film thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  Microstructure and oxidation of hot-dip aluminized titanium at high temperature  Duan, L., X. Zhang, K. Tang, L. Song and Z. Sun, Adsorption and diffusion of cyclopentane in silicalite-1: a thermodynamic and kinetic study  250 (2005) 88  Eikenes, M., see Temiz, A. El Idrissi, A., see Bouklah, M. El-Sayed, H.E.A., Structural and optical properties of thermally evaporated Bi <sub>2</sub> Te <sub>3</sub> films  250 (2005) 251  Fan, S.S., see Sheng, L.M.  250 (2005) 252  Fan, Y.H., see Wu, X.S. Fan, Y.H., see Wu, X.S. Fan, Y.H., see Wu, X.S. Fan, Y.H., see Bittencourt, C.  250 (2005) 50  Felicissimo, M.P., see Bittencourt, C.  250 (2005) 50  Felicissimo, M.P., see Bittencourt, C.  250 (2006) 252  Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and composition of flat titanium thin films as a function of film thickness and evaporation rate  250 (2005) 252  Chen, C., D. Wang, Q. Bao, L. Zhang and T.  Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite c	5) 152
barrier inhomogeneities of polyaniline/p-Si/Al structure at low temperature  250 (2005) 43  250 (2005) 88  250 (2005) 88  250 (2005) 88  250 (2005) 98  250 (2005) 14  251	
Si/Al structure at low temperature  250 (2005) 43  Duan, L., X. Zhang, K. Tang, L. Song and Z. Sun, Adsorption and diffusion of cyclopentane in silicalite-1: a thermodynamic and kinetic study  250 (2005) 88  Bao, Q., see Chen, C.  Bao, YJ., see Shao, QY.  Bittencourt, C., M.P. Felicissimo, A. Felten, L.A.O. Nunes, P. Ivanov, E. Llobet, JJ. Pireaux and L. Houssiau, Characterization of WO <sub>3</sub> :Ag films: ToF-SIMS studies of ammonia adsorption  Bossert, J., see Cai, K.  Bouklah, M., A. Ouassini, B. Hammouti and A. El Idrissi, Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>4</sub> by [(2-pyridin-4-ylethyl)thio]acetic acid  Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and composition of flat titanium thin films as a function of lim thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  250 (2005) 98  Eikenes, M., see Temiz, A.  250 (2005) 14  Eikenes, M., see Bouklah, M.  El-Sayed, H.E.A., Structural and optical properties of thermally evaporated Bi, Te <sub>3</sub> films  250 (2005) 21  Fan, S., see Gao, W.  250 (2005) 252  Fan, Y.H., see Wu, X.S.  Fan, L. Song and Z. Sun, Adsorption and diffusion of cyclopentane in silicalite-1: a thermodynamic and kinetic study  250 (200  Eikenes, M., see Temiz, A.  El-Idrisu, A., see Bouklah, M.  El-Sayed, H.E.A., Structural and optical properties of thermally evaporated Bi, Te <sub>3</sub> films  250 (200  Fan, S., see Gao, W.  Fan, Y.H., see Wu, X.S.  Fan, Y.H., see Wu, X.S.  Soc (200  Feltens, A., see Gao, W.  Fan, Laser-induced damage of Ta <sub>2</sub> O <sub>4</sub> /SiO <sub>2</sub> narrow-band interference filters under difference	
Balaraju, J.N., C. Anandan and K.S. Rajam, Morphological study of ternary Ni-Cu-P alloys by atomic force microscopy Bao, Q., see Chen, C. Bao, YJ., see Shao, QY. Bittencourt, C., M.P. Felicissimo, A. Felten, L.A.O. Nunes, P. Ivanov, E. Llobet, JJ. Pireaux and L. Houssiau, Characterization of WO <sub>3</sub> :Ag films: ToF-SIMS studies of ammonia adsorption Bossert, J., see Cai, K. Bouklah, M., A. Ouassini, B. Hammouti and A. El Idrissi, Corrosion inhibition of steel in 0.5 M H <sub>3</sub> SO <sub>3</sub> by [(2-pyridin-4- ylethyl)thio]acetic acid  Z. Sun, Adsorption and diffusion of cyclopentane in silicalite-1: a thermody- namic and kinetic study 250 (200 Eikenes, M., see Temiz, A. El Idrissi, A., see Bouklah, M. El-Sayed, H.E.A., Structural and optical properties of thermally evaporated Bi <sub>2</sub> Te <sub>3</sub> films 250 (200 Fan, S., see Gao, W. Fan, S., see Gao, W. Fan, Y.H., see Wu, X.S. Fan, Y.H., see Wu, X.S. Fan, Y.H., see Bittencourt, C. Pelten, A., see Bittencourt, C. Pelt	5) 238
Morphological study of ternary Ni-Cu-P alloys by atomic force microscopy  Bao, Q., see Chen, C.  Bao, YJ., see Shao, QY.  Bittencourt, C., M.P. Felicissimo, A. Felten, L.A.O. Nunes, P. Ivanov, E. Llobet, JJ. Pireaux and L. Houssiau, Characterization of WO <sub>3</sub> :Ag films: ToF-SIMS studies of ammonia adsorption  Bossert, J., see Cai, K.  Bouklah, M., A. Ouassini, B. Hammouti and A. El Idrissi, Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>3</sub> by [(2-pyridin-4-ylethyl)thio]acetic acid  Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and composition of flat titanium thin films as a function of film thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  250 (2005) 98  Eikenes, M., see Temiz, A.  Eil Idrissi, A., see Bouklah, M.  El-Sayed, H.E.A., Structural and optical properties of thermally evaporated Bi <sub>2</sub> Te <sub>3</sub> films  250 (200  Fan, S., see Gao, W.  250 (200  Fan, S., see Gao, W.  250 (200  Fan, S., see Beng, L.M. 250 (200  Fan, Y.H., see Wu, X.S. 250 (200  Fan, SX., see Gao, W. 250 (200  Fan, Y.H., see Wu, X.S. 250 (200  Fan, Y.H., see Bittencourt, C. 250 (200  Fan, S., see Bittencourt, C. 250 (200  Fan, S., see Beng, L.M. 250 (200  Fan, S., see Boug, L.M. 250 (200  Fan, S., see Bitencourt, C. 250 (200  Fan, S., see Bittencourt, C. 250 (200  Fan, S., see Gao, W. 250 (200  Fan, S., see Bittencourt, C. 250 (200  Fan,	
alloys by atomic force microscopy  Bao, Q., see Chen, C.  Bao, YJ., see Shao, QY.  Bittencourt, C., M.P. Felicissimo, A. Felten, L.A.O. Nunes, P. Ivanov, E. Llobet, JJ.  Pireaux and L. Houssiau, Characterization of WO <sub>3</sub> :Ag films: ToF-SIMS studies of ammonia adsorption  Bossert, J., see Cai, K.  Bouklah, M., A. Ouassini, B. Hammouti and A. El Idrissi, Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>4</sub> by [(2-pyridin-4- ylethyl)thio]acetic acid  Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and com- position of flat titanium thin films as a function of film thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T.  Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  250 (2005) 98  Eikenes, M., see Temiz, A. 250 (200  Ei Idrissi, A., see Bouklah, M. El-Sayed, H.E.A., Structural and optical prop- erties of thermally evaporated Bi <sub>2</sub> Te <sub>3</sub> films  250 (200  Fan, S., see Gao, W. 250 (200  Fan, S., see Gao, W. 250 (200  Fan, Y.H., see Wu, X.S. 250 (200  Fan, Y.H., see Wu, X.S. 250 (200  Felten, A., see Bittencourt, C. 250 (200  Gao, B., P. Jiang, F. An, S. Zhao and Z. Ge, Studies on the surface modification of diatomite with polyethyleneimine and trap- ping effect of the modified diatomite for phenol  Gao, W., M. Zhan, S. Fan, J. Shao and ZX.  Fan, Laser-induced damage of Ta <sub>2</sub> O <sub>3</sub> (SiO <sub>2</sub> narrow-band interference filters under dif- ferent 1064 nm Nd:YAG laser modes  250 (200	
Bao, Q., see Chen, C. Bao, YJ., see Shao, QY. Bittencourt, C., M.P. Felicissimo, A. Felten, L.A.O. Nunes, P. Ivanov, E. Llobet, JJ. Pireaux and L. Houssiau, Characterization of WO <sub>3</sub> :Ag films: ToF-SIMS studies of ammonia adsorption Bossert, J., see Cai, K. Bouklah, M., A. Ouassini, B. Hammouti and A. El Idrissi, Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>4</sub> by [(2-pyridin-4- ylethyl)thio]acetic acid  Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and com- position of film thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  250 (2005) 98  Eikenes, M., see Temiz, A. 250 (200  El Idrissi, A., see Bouklah, M. El-Sayed, H.E.A., Structural and optical prop- erties of thermally evaporated Bi <sub>2</sub> Te <sub>3</sub> films 250 (200  Fan, S., see Gao, W. 250 (200  Fan, Y.H., see Wu, X.S. 250 (200  Fan, Y.H., see Bittencourt, C. 250 (200  Felten, A., see Bittencourt, C. 250 (200  Gao, B., P. Jiang, F. An, S. Zhao and Z. Ge, Studies on the surface modification of diatomite with polyethyleneimine and trap- ping effect of the modified diatomite for phenol  Gao, W., M. Zhan, S. Fan, J. Shao and ZX. Fan, Laser-induced damage of Ta <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> narrow-band interference filters under dif- ferent 1064 nm Nd:YAG laser modes 250 (200	(5) 79
Bao, YJ., see Shao, QY.  Bittencourt, C., M.P. Felicissimo, A. Felten, L.A.O. Nunes, P. Ivanov, E. Llobet, JJ.  Pireaux and L. Houssiau, Characterization of WO <sub>3</sub> :Ag films: ToF-SIMS studies of ammonia adsorption  Bossert, J., see Cai, K.  Bouklah, M., A. Ouassini, B. Hammouti and A. El Idrissi, Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>4</sub> by [(2-pyridin-4- ylethyl)thio]acetic acid  Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and com- position of film thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T.  Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  250 (2005) 14  El Idrissi, A., see Bouklah, M. El-Sayed, H.E.A., Structural and optical prop- erties of thermally evaporated Bi <sub>2</sub> Te <sub>3</sub> films  250 (200  Fan, S., see Gao, W. 250 (200  Fan, YH., see Wu, X.S. Fan, Y.H., see Wu, X.S. Fan, Y.H., see Bittencourt, C. 250 (200  Felten, A., see Bittencourt, C. 250 (200  Gao, B., P. Jiang, F. An. S. Zhao and Z. Ge, Studies on the surface modification of diatomite with polyethyleneimine and trap- ping effect of the modified diatomite for phenol  Gao, W., M. Zhan, S. Fan, J. Shao and ZX. Fan, Laser-induced damage of Ta <sub>2</sub> O <sub>5</sub> /SiO <sub>2</sub> arrow-band interference filters under dif- ferent 1064 nm Nd:YAG laser modes  250 (200	
Bittencourt, C., M.P. Felicissimo, A. Felten, L.A.O. Nunes, P. Ivanov, E. Liobet, JJ. Pireaux and L. Houssiau, Characterization of WO <sub>3</sub> :Ag films: ToF-SIMS studies of ammonia adsorption  Bossert, J., see Cai, K.  Bouklah, M., A. Ouassini, B. Hammouti and A. El Idrissi, Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>3</sub> by [(2-pyridin-4- ylethyl)thio]acetic acid  Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and com- position of film thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  El-Sayed, H.E.A., Structural and optical prop- erties of thermally evaporated Bi <sub>2</sub> Te <sub>3</sub> films  Fan, S., see Gao, W.  250 (200 Fan, S., see Gao, W. 250 (200 Fan, ZX., see Gao, W. 250 (200 Fan, Y.H., see Wu, X.S. Fan, Y.H., see Wu, X.S. Fan, Y.H., see Bittencourt, C. 250 (200 Felten, A., see Bittencourt, C. 250 (200 Freitas, M.A., see Lins, V.F.C.  Gao, B., P. Jiang, F. An, S. Zhao and Z. Ge, Studies on the surface modification of diatomite with polyethyleneimine and trap- ping effect of the modified diatomite for phenol Gao, W., M. Zhan, S. Fan, J. Shao and ZX. Fan, Laser-induced damage of Ta <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> anrow-band interference filters under dif- ferent 1064 nm Nd:YAG laser modes  250 (200	
L.A.O. Nunes, P. Ivanov, E. Llobet, JJ.  Pireaux and L. Houssiau, Characterization of WO <sub>3</sub> :Ag films: ToF-SIMS studies of ammonia adsorption  Bossert, J., see Cai, K.  Bouklah, M., A. Ouassini, B. Hammouti and A. El Idrissi, Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>3</sub> by [(2-pyridin-4-ylethyl)thio]acetic acid  Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and composition of flat titanium thin films as a function of film thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  250 (2005) 98  erties of thermally evaporated Bi <sub>2</sub> Te <sub>3</sub> films  250 (200  Fan, S., see Gao, W.  250 (2005) 252  Fan, Y.H., see Wu, X.S.  250 (2005) 252  Fan, Y.H., see Wu, X.S.  250 (200  Fan, C., X., see Gao, W.  250 (200  Fan, SS., see Sheng, L.M.  250 (200  Fan, Y.H., see Wu, X.S.  Fan, LX., see Gao, W.  250 (200  Felten, A., see Bittencourt, C.  250 (200  Felten, A., see Bittencourt	(5) 50
Pireaux and L. Houssiau, Characterization of WO <sub>3</sub> :Ag films: ToF-SIMS studies of ammonia adsorption  Bossert, J., see Cai, K.  Bouklah, M., A. Ouassini, B. Hammouti and A. El Idrissi, Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>4</sub> by [(2-pyridin-4-ylethyl)thio]acetic acid  Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and composition of flat titanium thin films as a function of film thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  Fan, S., see Gao, W. 250 (200 Fan, S., see Sheng, L.M. 250 (200 Fan, Y.H., see Wu, X.S. 250 (200 Fan, ZX., see Gao, W. 250 (200 Fan, ZX., see Bittencourt, C. 250 (200 Felten, A., see Bittencourt, C. 250 (200 Freitas, M.A., see Lins, V.F.C.  Gao, B., P. Jiang, F. An, S. Zhao and Z. Ge, Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for phenol Gao, W., M. Zhan, S. Fan, J. Shao and ZX. Fan, Laser-induced damage of Ta <sub>2</sub> O <sub>3</sub> (SiO <sub>2</sub> ) narrow-band interference filters under different 1064 nm Nd:YAG laser modes 250 (2005) 98	
of WO <sub>3</sub> :Ag films: ToF-SIMS studies of ammonia adsorption  250 (2005) 21  Bossert, J., see Cai, K.  Bouklah, M., A. Ouassini, B. Hammouti and A. El Idrissi, Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>4</sub> by [(2-pyridin-4-ylethyl)thio]acetic acid  Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and composition of flat titanium thin films as a function of film thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  Fan, S., see Gao, W.  250 (2005) 252  Fan, Y.H., see Wu, X.S. 250 (200  Fan, ZX., see Gao, W. 250 (200  Fan, S., see Gao, W. 250 (200  Fan, Y.H., see Wu, X.S. 250 (200  Fan, Y.H., see Wu, X.S. 250 (200  Fan, Y.H., see Wu, Y.S. 250 (200  Fall Y.H., see Wu, Y.H., se	(5) 70
ammonía adsorption  Bossert, J., see Cai, K.  Bouklah, M., A. Ouassini, B. Hammouti and  A. El Idrissi, Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>4</sub> by [(2-pyridin-4-ylethyl)thio]acetic acid  Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and composition of film thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  250 (2005) 251  Fan, S.S., see Sheng, L.M.  250 (2006) 252  Fan, Y.H., see Wu, X.S.  250 (200  Falm, Y.H., see Wu, X.S.  250 (200  Falm, Y.H., see Wu, X.S.  250 (200  Falm, Y.H., see Bittencourt, C.  250 (200  Felten, A., see Bittencourt, C.  250 (200  Felten, A., see Bittencourt, C.  250 (200  Freitas, M.A., see Lins, V.F.C.  Gao, B., P. Jiang, F. An, S. Zhao and Z. Ge, Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for phenol  Gao, W., M. Zhan, S. Fan, J. Shao and ZX.  Fan, L.S., see Sheng, L.M.  250 (200  250 (200  Falm, Y.H., see Wu, X.S.  250 (200  Falm, Y.H., see Bittencourt, C.  250 (200  Felten, A., see Bittencourt, C.  250 (200  Gao, B., P. Jiang, F. An, S. Zhao and Z. Ge, Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for phenol  Gao, W., M. Zhan, S. Fan, J. Shao and ZX.  Fan, L.S., see Sheng, L.M.  250 (200	
Bossert, J., see Cai, K.  Bouklah, M., A. Ouassini, B. Hammouti and A. El Idrissi, Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>3</sub> by [(2-pyridin-4- ylethyl)thio]acetic acid  Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and com- position of flat titanium thin films as a function of film thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  250 (2005) 252  Fan, Y.H., see Wu, X.S. Fan, ZX., see Gao, W. Pelicissimo, M.P., see Bittencourt, C. Pelten, A., see Bittencourt, C. Peltens, M.A., see Lins, V.F.C. Preitas, M.A., see Bittencourt, C. Preitas, M.A., see Bittencourt, C. Preitas, M.A., see Lins, V.F.C. Preitas, M.A., see Lins, V.F.C. Preitas, M.A., see Bittencourt, C. Preitas, M.A., see Lins, V.F.C. Preitas, M.A., see Bittencourt, C. Preitas, M.A., see Bittencourt, C. Preitas, M.A., see Bittencourt, C. Preitas, M.A., see Lins, V.F.C. Preitas, M.A., see Dins, V.F.C. Preitas, M.A., see Lins, V.F.C. Preitas, M.A., see Lins, V.F.C. Preitas, M.A., see Dins, V.F.C. Preitas, M.A., see Lins, V.F.C. Preitas, M.A., see Dins, V	(5) 195
Bouklah, M., A. Ouassini, B. Hammouti and A. El Idrissi, Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>4</sub> by [(2-pyridin-4-ylethyl)thio]acetic acid  Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and composition of flat titanium thin films as a function of fill thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  Ean, ZX., see Gao, W. Felicissimo, M.P., see Bittencourt, C. 250 (200 Felten, A., see Lins, V.F.C.  Eao, B., P. Jiang, F. An, S. Zhao and Z. Ge, Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for phenol  Eao, W., M. Zhan, S. Fan, J. Shao and ZX. Fan, Laser-induced damage of Ta <sub>2</sub> O <sub>3</sub> (SiO <sub>2</sub> ) narrow-band interference filters under different 1064 nm Nd:YAG laser modes  250 (200	
A. El Idrissi, Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>3</sub> by [(2-pyridin-4-ylethyl)thio]acetic acid  Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and composition of flat titanium thin films as a function of film thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  Felicissimo, M.P., see Bittencourt, C. 250 (200 250 (20	(5) 182
in 0.5 M H <sub>2</sub> SO <sub>4</sub> by [(2-pyridin-4-ylethyl)thio]acetic acid  Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and composition of flat titanium thin films as a function of film thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  Felten, A., see Bittencourt, C. 250 (200 250 (	(5) 195
ylethyl)thio]acetic acid  250 (2005) 50  Freitas, M.A., see Lins, V.F.C.  250 (2006)  Gao, B., P. Jiang, F. An. S. Zhao and Z. Ge, Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for phenol  Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  250 (2005) 50  Freitas, M.A., see Lins, V.F.C.  Gao, B., P. Jiang, F. An. S. Zhao and Z. Ge, Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for phenol  Gao, W., M. Zhan, S. Fan, J. Shao and ZX.  Fan, Laser-induced damage of Ta <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> narrow-band interference filters under different 1064 nm Nd:YAG laser modes  250 (2005) 252	
Cai, K., M. Müller, J. Bossert, A. Rechtenbach and K.D. Jandt, Surface structure and composition of flat titanium thin films as a function of film thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  Gao, B., P. Jiang, F. An, S. Zhao and Z. Ge, Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for phenol  Gao, W., M. Zhan, S. Fan, J. Shao and ZX.  Fan, Laser-induced damage of Ta <sub>2</sub> O <sub>8</sub> /SiO <sub>2</sub> narrow-band interference filters under different 1064 nm Nd:YAG laser modes  250 (2005) 98	
and K.D. Jandt, Surface structure and composition of flat titanium thin films as a function of film thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T.  Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for phenol  250 (2005) 252  Gao, W., M. Zhan, S. Fan, J. Shao and ZX. Fan, Laser-induced damage of Ta <sub>2</sub> O <sub>x</sub> /SiO <sub>2</sub> , arrow-band interference filters under different 1064 nm Nd:YAG laser modes  250 (2005) 98	15) 124
position of flat titanium thin films as a function of film thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T.  Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  diatomite with polyethyleneimine and trapping effect of the modified diatomite for phenol  Gao, W., M. Zhan, S. Fan, J. Shao and ZX.  Fan, Laser-induced damage of Ta <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> narrow-band interference filters under different 1064 nm Nd:YAG laser modes  250 (2005) 98	
function of film thickness and evaporation rate  Chen, C., D. Wang, Q. Bao, L. Zhang and T.  Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  250 (2005) 252  ping effect of the modified diatomite for phenol  Gao, W., M. Zhan, S. Fan, J. Shao and ZX.  Fan, Laser-induced damage of Ta <sub>2</sub> O <sub>5</sub> /SiO <sub>2</sub> narrow-band interference filters under different 1064 nm Nd:YAG laser modes  250 (2005) 252	
rate 250 (2005) 252 phenol 250 (2006) 252 Chen, C., D. Wang, Q. Bao, L. Zhang and T. Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings 250 (2005) 98 phenol Gao, W., M. Zhan, S. Fan, J. Shao and ZX. Fan, Laser-induced damage of Ta <sub>2</sub> O <sub>5</sub> /SiO <sub>2</sub> narrow-band interference filters under different 1064 nm Nd:YAG laser modes 250 (2006)	
Chen, C., D. Wang, Q. Bao, L. Zhang and T.  Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings  Gao, W., M. Zhan, S. Fan, J. Shao and ZX.  Fan, Laser-induced damage of Ta <sub>2</sub> O <sub>5</sub> /SiO <sub>2</sub> narrow-band interference filters under different 1064 nm Nd:YAG laser modes  250 (2005) 98	
Lei, Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings 250 (2005) 98 Fan, Laser-induced damage of Ta <sub>2</sub> O <sub>5</sub> /SiO <sub>2</sub> narrow-band interference filters under different 1064 nm Nd:YAG laser modes 250 (200	05) 273
microstructure and phases constitution of plasma sprayed hydroxyapatite coatings 250 (2005) 98 ferent 1064 nm Nd:YAG laser modes 250 (200	
plasma sprayed hydroxyapatite coatings 250 (2005) 98 ferent 1064 nm Nd:YAG laser modes 250 (200	
Chen, C.Z., see Tian, Y.S. 250 (2005) 223 Ge, Z., see Gao, B. 250 (200	05) 195
	)5) 273
Chen, D.J., see Wu, X.S. 250 (2005) 182 Guan, D., see Wang, W. 250 (200	)5) 268
Chen, H.D., see Chen, Z.W. 250 (2005) 3 Gujar, T.P., V.R. Shinde, C.D. Lokhande, R.S.	
Chen, P., see Wang, T. 250 (2005) 188 Mane and SH. Han, Bismuth oxide thin	
Chen, Z.W., J.K.L. Lai, C.H. Shek and H.D. films prepared by chemical bath deposition	
Chen, Nanocrystals formation and fractal (CBD) method: annealing effect 250 (200 microstructural assessment in Au/Ge bilayer	)5) 161
films upon annealing 250 (2005) 3 Hammouti, B., see Bouklah, M. 250 (200	05) 50
Cheng, JB., see Shao, QY. 250 (2005) 14 Han, SH., see Gujar, T.P. 250 (200	05) 161
Colakoglu, G., see Temiz, A. 250 (2005) 35 Houssiau, L., see Bittencourt, C. 250 (200	05) 21
Cvikl, B., see Korošak, D. 250 (2005) 63 Hu, X., see Wang, T. 250 (200	05) 188

H-OH-T-VS	250 (2005) 222	Name B V and Chan O V	250 (2005) 14
Huo, Q.H., see Tian, Y.S.	250 (2005) 223 250 (2005) 146	Nguyen, BY., see Shao, QY. Nishiyama, H., see Yukawa, Y.	250 (2005) 14 250 (2005) 104
Hwang, H., see Samantaray, C.B.	250 (2003) 140	Nuhoğlu, Ç., E. Özerden and A. Türüt, The	230 (2003) 104
Inamdar, A.I., see Patil, P.S.	250 (2005) 117	dependence of I-V and C-V characteristics	
Inoue, Y., see Yukawa, Y.	250 (2005) 104	on temperature in the H-terminated Pb/	
Ivanov, P., see Bittencourt, C.	250 (2005) 21	p-Si(1 0 0) Schottky barrier diodes	250 (2005) 203
runov, i., not pittellevalt, C.	200 (2000) 21	Nunes, L.A.O., see Bittencourt, C.	250 (2005) 21
Jaegermann, W., see Wu, QH.	250 (2005) 57		()
Jandt, K.D., see Cai, K.	250 (2005) 252	Ookubo, N., see Naitou, Y.	250 (2005) 209
Jiang, P., see Gao, B.	250 (2005) 273	Ouassini, A., see Bouklah, M.	250 (2005) 50
Jiang, S.S., see Wu, X.S.	250 (2005) 182	Özerden, E., see Nuhoğlu, Ç.	250 (2005) 203
Jin, Z., see Zhang, M.	250 (2005) 29		
Jutarosaga, T., S. Manne and S. Seraphin,		Patil, P.S., S.H. Mujawar, A.I. Inamdar and	
Si-SiO <sub>2</sub> interface formation in low-dose		S.B. Sadale, Electrochromic properties of	
low-energy separation by implanted oxy-		spray deposited TiO2-doped WO3 thin films	250 (2005) 117
gen materials	250 (2005) 168	Paula e Silva, E.M., see Lins, V.F.C.	250 (2005) 124
		Philip, R.R., B. Pradeep and T. Shripathi.	
Kim, J.W. and J.W. Lee, Ti/Al p-GaN Schottky		Photoconductivity in the ordered vacancy	
barrier height determined by C-V measure-		compound CuIn <sub>5</sub> Se <sub>8</sub>	250 (2005) 216
ments	250 (2005) 247	Pireaux, JJ., see Bittencourt, C.	250 (2005) 21
Korošak, D. and B. Cvikl, On the role of the		Pradeep, B., see Philip, R.R.	250 (2005) 216
interface charge in non-ideal metal-semi-	250 (2005) 62	O. V. W. T.	250 -2005: 100
conductor contacts	250 (2005) 63	Qi, Y., see Wang, T.	250 (2005) 188
Lai, J.K.L., see Chen, Z.W.	250 (2005) 3	Qian, XF., see Li, Z.	250 (2005) 109
Lee, J.W., see Kim, J.W.	250 (2005) 247	Rajam, K.S., see Balaraju, J.N.	250 (2005) 88
Lei, T., see Chen, C.	250 (2005) 98	Rechtenbach, A., see Cai, K.	250 (2005) 252
Lei, T.Q., see Tian, Y.S.	250 (2005) 223	Recincinati, A., see Cai, K.	270 (2003) 232
Li, AD., see Shao, QY.	250 (2005) 14	Sağlam, M., see Aydoğan, Ş.	250 (2005) 43
Li, Y., see Li, Z.	250 (2005) 109	Sadale, S.B., see Patil, P.S.	250 (2005) 117
Li, Z., Y. Li, XF. Qian, J. Yin and ZK. Zhu,		Saito, N., see Yukawa, Y.	250 (2005) 104
A simple method for selective immobiliza-		Samantaray, C.B., H. Sim and H. Hwang,	
tion of silver nanoparticles	250 (2005) 109	First-principles study of electronic struc-	
Lin, SM., Exact solution of the frequency		ture and optical properties of barium stron-	
shift in dynamic force microscopy	250 (2005) 228	tium titanates (Ba <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> )	250 (2005) 146
Ling, HQ., see Shao, QY.	250 (2005) 14	Seraphin, S., see Jutarosaga, T.	250 (2005) 168
Lins, V.F.C., M.A. Freitas and E.M. Paula e Silva,		Shao, J., see Gao, W.	250 (2005) 195
Corrosion resistance study of		Shao, QY., AD. Li, JB. Cheng, HQ. Ling,	
Fe-Mn-Al-C alloys using immersion and		D. Wu, ZG. Liu, YJ. Bao, M. Wang,	
potentiostatic tests	250 (2005) 124	NB. Ming, C. Wang, HW. Zhou and	
Liu, L., see Sheng, L.M.	250 (2005) 9	BY. Nguyen, Growth behavior of high k	
Liu, M., see Sheng, L.M.	250 (2005) 9	LaAlO, films on Si by metalorganic chem-	
Liu, P., see Sheng, L.M.	250 (2005) 9	ical vapor deposition for alternative gate	250 (2005) 14
Liu, ZG., see Shao, QY. Llobet, E., see Bittencourt, C.	250 (2005) 14 250 (2005) 21	dielectric application Shek, C.H., see Chen, Z.W.	250 (2005) 14
Lokhande, C.D., see Gujar, T.P.	250 (2005) 161	Shen, B., see Wu, X.S.	250 (2005) 3 250 (2005) 182
Low, H. and Y. Xu, Moisture barrier of Al <sub>2</sub> O <sub>2</sub>	230 (2003) 101	Sheng, L.M., M. Liu, P. Liu, Y. Wei, L. Liu and	230 (2003) 162
coating on poly(ethylene terephthalate),		S.S. Fan, Field emission from self-assembly	
poly(ethylene naphthalate) and poly		structure of carbon-nanotube films	250 (2005) 9
(carbonate) substrates	250 (2005) 135	Shinde, V.R., see Gujar, T.P.	250 (2005) 161
(caroonate) soon ates	200 (2000) 100	Shripathi, T., see Philip, R.R.	250 (2005) 216
Mane, R.S., see Gujar, T.P.	250 (2005) 161	Sim, H., see Samantaray, C.B.	250 (2005) 146
Manne, S., see Jutarosaga, T.	250 (2005) 168	Song, L., see Duan, L.	250 (2005) 79
Ming, NB., see Shao, QY.	250 (2005) 14	Sun, Y., see Wang, W.	250 (2005) 268
Mujawar, S.H., see Patil, P.S.	250 (2005) 117	Sun, Z., see Duan, L.	250 (2005) 79
Müller, M., see Cai, K.	250 (2005) 252		
		Tang, K., see Duan, L.	250 (2005) 79
Naitou, Y. and N. Ookubo, Application of a		Temiz, A., U.C. Yildiz, I. Aydin, M. Eikenes,	
self-sensing conductive probe for Si device		G. Alfredsen and G. Çolakoglu, Surface	
imaging	250 (2005) 209	roughness and color characteristics of	
imaging	250 (2005) 209	roughness and color characteristics of	

wood treated with preservatives after accel-		Xu, J., see Wang, T.	250 (2005) 188
erated weathering test	250 (2005) 35	Xu, WZ., see Zeng, YJ.	250 (2005) 280
Thissen, A., see Wu, QH.	250 (2005) 57	Xu, Y., see Low, H.	250 (2005) 135
Tian, Y.S., C.Z. Chen, D.Y. Wang, Q.H. Huo			
and T.Q. Lei, Laser surface alloying of pure		Ye, ZZ., see Zeng, YJ.	250 (2005) 280
titanium with TiN-B-Si-Ni mixed powders	250 (2005) 223	Yildiz, U.C., see Temiz, A.	250 (2005) 35
Türüt, A., see Aydoğan, Ş.	250 (2005) 43	Yin, J., see Li, Z.	250 (2005) 109
Türüt, A., sec Nuhoğlu, Ç.	250 (2005) 203	Yingli, T., see Deqing, W.	250 (2005) 238
		Yukawa, Y., N. Saito, H. Nishiyama and	
Wang, C., see Shao, QY.	250 (2005) 14	Y. Inoue. Promotion of partial oxidation	
Wang, D., see Chen, C.	250 (2005) 98	of methanol over thin Pt and Pd film	
Wang, D.Y., see Tian, Y.S.	250 (2005) 223	catalysts by resonance oscillation of	
Wang, M., see Shao, QY.	250 (2005) 14	acoustic waves	250 (2005) 104
Wang, T., Y. Qi, J. Xu, X. Hu and P. Chen,			
Effects of poly(ethylene glycol) on electri-			
cal conductivity of poly(3,4-ethylene-		Zeng, YJ., ZZ. Ye, WZ. Xu, LP. Zhu and	
dioxythiophene)-poly(styrenesulfonic		BH. Zhao, Well-aligned ZnO nanowires	
acid) film	250 (2005) 188	grown on Si substrate via metal-organic	250 (2005) 200
Wang, W., Z. Dai, Y. Sun, Y. Sun and D. Guan,		chemical vapor deposition	250 (2005) 280
Picosecond nonlinear optical response of		Zhai, Z.Y., see Wu, X.S.	250 (2005) 182
Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> thin films fabricated by		Zhan, M., see Gao, W.	250 (2005) 195
pulsed laser deposition	250 (2005) 268	Zhang, L., see Chen, C.	250 (2005) 98
Wang, X., see Xie, J.	250 (2005) 152	Zhang, L., see Xie, J.	250 (2005) 152
Wei, Y., see Sheng, L.M.	250 (2005) 9	Zhang, M., Z. Jin, Z. Zhang and H. Dang,	
Wu, D., see Shao, QY.	250 (2005) 14	Study of strong interaction between Pt and	250 (2005) 20
Wu, QH., A. Thissen and W. Jaegermann,		TiO, under oxidizing atmosphere	250 (2005) 29
Photoelectron spectroscopic study of Li		Zhang, R., see Wu, X.S.	250 (2005) 182
oxides on Li over-deposited V2O5 thin film		Zhang, X., see Duan, L.	250 (2005) 79
surfaces	250 (2005) 57	Zhang, Z., see Zhang, M.	250 (2005) 29
Wu, X.S., Z.Y. Zhai, Y.H. Fan. D.J. Chen,		Zhao, BH., see Zeng, YJ.	250 (2005) 280
B. Shen, R. Zhang, Y.D. Zheng and S.S.		Zhao, S., see Gao, B.	250 (2005) 273
Jiang, The solubility of phosphorus in GaN	250 (2005) 182	Zheng, Y.D., see Wu, X.S.	250 (2005) 182
		Zhou, HW., see Shao, QY.	250 (2005) 14
Xie, J., X. Wang, J. Deng and L. Zhang, Pore		Zhu, LP., see Zeng, YJ.	250 (2005) 280
size control of Pitch-based activated carbon		Zhu, ZK., see Li, Z.	250 (2005) 109
fibers by pyrolytic deposition of propylene	250 (2005) 152	Ziyuan, S., see Deqing, W.	250 (2005) 238



Applied Surface Science 250 (2005) IV-XIV



www.elsevier.com/locate/apsusc

# Subject Index

Acid corrosion  Corrosion resistance study of Fe-Mn-Al-C alloys using immersion and potentiostatic tests, V. F.C. Lins, M. A. Freitas and E. M. Paula e Silva	250 (2005) 124	Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for phenol, B. Gao, P. Jiang, F. An, S. Zhao and Z. Ge	250 (2005) 273
		AFM	
Acid		***	
Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>4</sub> by [(2-pyridin-4-ylethyl)thio]acetic acid, M. Bouklah, A. Ouassini, B. Hammouti and A. El Idrissi	250 (2005) 50	Morphological study of ternary Ni-Cu-P alloys by atomic force microscopy, J.N. Balaraju, C. Anandan and K.S. Rajam Exact solution of the frequency shift in dynam- ic force microscopy, SM. Lin Surface structure and composition of flat tita-	250 (2005) 88 250 (2005) 228
Acoustic wave  Promotion of partial oxidation of methanol over thin Pt and Pd film catalysts by resonance		nium thin films as a function of film thickness and evaporation rate, K. Cai, M. Müller, J. Bossert, A. Rechtenbach and K. D. Jandt	250 (2005) 252
oscillation of acoustic waves, Y. Yukawa, N. Saito, H. Nishiyama and Y. Inoue	250 (2005) 104	Alder	
Activated carbon fiber		Surface roughness and color characteristics of wood treated with preservatives after accelerated weathering test, A. Temiz, U.C.	
Pore size control of Pitch-based activated carbon fibers by pyrolytic deposition of propylene, J. Xie, X. Wang, J. Deng and L. Zhang	250 (2005) 152	Yildiz, I. Aydin, M. Eikenes, G. Alfredsen and G. Çolakoglu	250 (2005) 35
Admittance		Alloy	
On the role of the interface charge in non-ideal metal-semiconductor contacts, D. Korošak and B. Cvikl	250 (2005) 63	Corrosion resistance study of Fe-Mn-Al-C alloys using immersion and potentiostatic tests, V. F.C. Lins, M. A. Freitas and E. M. Paula e Silva	250 (2005) 124
Adsorption			
		Aluminizing	
Adsorption and diffusion of cyclopentane in silicalite-1: a thermodynamic and kinetic study, L. Duan, X. Zhang, K. Tang, L. Song and Z. Sun	250 (2005) 79	Microstructure and oxidation of hot-dip alu- minized titanium at high temperature, W. Deqing, S. Ziyuan and T. Yingli	250 (2005) 238

Ar ion sputtering		effect, T.P. Gujar, V.R. Shinde, C.D. Lokhande, R.S. Mane and SH. Han	250 (2005) 161
Study of strong interaction between Pt and TiO <sub>2</sub> under oxidizing atmosphere, M. Zhang, Z. Jin, Z. Zhang and H. Dang	250 (2005) 29	$Bi_2Te_3$ film	
Atomic force microscopy		Structural and optical properties of thermally evaporated Bi <sub>2</sub> Te <sub>3</sub> films, H.E.A. El-Sayed	250 (2005) 70
Si-SiO <sub>2</sub> interface formation in low-dose low- energy separation by implanted oxygen materials, T. Jutarosaga, S. Manne and		BST	
S. Seraphin  Effects of poly(ethylene glycol) on electrical conductivity of poly(3,4-ethylenedioxythiophene)—poly(styrenesulfonic acid) film, T. Wang, Y. Qi, J. Xu, X. Hu and P. Chen	250 (2005) 168 250 (2005) 188	First-principles study of electronic structure and optical properties of barium strontium titanates (Ba <sub>3</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> ), C.B. Samantaray, H. Sim and H. Hwang	250 (2005) 146
Au/Ge bilayer films		C-V characteristics	
Nanocrystals formation and fractal microstruc- tural assessment in Au/Ge bilayer films upon annealing, Z.W. Chen, J.K.L. Lai, C.H. Shek and H.D. Chen	250 (2005) 3	Ti/Al p-GaN Schottky barrier height determined by C-V measurements, J. W. Kim and J. W. Lee	250 (2005) 247
$Ba_{0.5}Sr_{0.5}TiO_3$ films		Carbon nanotube	
Picosecond nonlinear optical response of Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> thin films fabricated by pulsed laser deposition, W. Wang, Z. Dai, Y. Sun, Y. Sun and D. Guan	250 (2005) 268	Field emission from self-assembly structure of carbon-nanotube films, L.M. Sheng, M. Liu, P. Liu, Y. Wei, L. Liu and S.S. Fan	250 (2005) 9
Band structure		Chemical bath deposition	
First-principles study of electronic structure and optical properties of barium strontium titanates (Ba <sub>3</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> ), C.B. Samantaray, H. Sim and H. Hwang	250 (2005) 146	Bismuth oxide thin films prepared by chemical bath deposition (CBD) method: annealing effect, T.P. Gujar, V.R. Shinde, C.D. Lokhande, R.S. Mane and SH. Han	250 (2005) 161
Barrier height		Chemical vapor deposition	
Ti/Al p-GaN Schottky barrier height deter- mined by C-V measurements, J. W. Kim and J. W. Lee	250 (2005) 247	Pore size control of Pitch-based activated car- bon fibers by pyrolytic deposition of propy- lene, J. Xie, X. Wang, J. Deng and L. Zhang	250 (2005) 152
Barrier inhomogeneity		Color changes	
The dependence of <i>I–V</i> and <i>C–V</i> characteristics on temperature in the H-terminated Pb/p-Si(1 0 0) Schottky barrier diodes, Ç. Nuhoğlu, E. Özerden and A. Türüt	250 (2005) 203	Surface roughness and color characteristics of wood treated with preservatives after accel- erated weathering test, A. Temiz, U.C. Yildiz, I. Aydin, M. Eikenes, G. Alfredsen and G. Çolakoglu	250 (2005) 35
$Bi_2O_3$		Contact angle	
Bismuth oxide thin films prepared by chemical bath deposition (CBD) method: annealing		Surface structure and composition of flat titanium thin films as a function of film	

### Subject Index

thickness and evaporation rate, K. Cai,		Dissipation	
M. Müller, J. Bossert, A. Rechtenbach and K. D. Jandt	250 (2005) 252	Application of a self-sensing conductive probe for Si device imaging, Y. Naitou and N. Ookubo	250 (2005) 209
Copper-containing wood			
preservatives		Electrical conductivity	
Surface roughness and color characteristics of wood treated with preservatives after accelerated weathering test, A. Temiz, U.C. Yildiz, I. Aydin, M. Eikenes, G. Alfredsen and G. Çolakoglu	250 (2005) 35	Effects of poly(ethylene glycol) on electrical conductivity of poly(3,4-ethylene-dioxythiophene)-poly(styrenesulfonic acid) film, T. Wang, Y. Qi, J. Xu, X. Hu and P. Chen	250 (2005) 188
Corrosion		Electrical resistivity	
Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>4</sub> by [(2-pyridin-4-ylethyl)thio]acetic acid, M. Bouklah, A. Ouassini, B. Hammouti and A. El Idrissi Morphological study of ternary Ni-Cu-P	250 (2005) 50	Bismuth oxide thin films prepared by chemical bath deposition (CBD) method: annealing effect, T.P. Gujar, V.R. Shinde, C.D. Lokhande, R.S. Mane and SH. Han	250 (2005) 161
alloys by atomic force microscopy, J.N. Balaraju, C. Anandan and K.S. Rajam	250 (2005) 88	Electrochromism	
Cyclopentane		Electrochromic properties of spray deposited TiO <sub>2</sub> -doped WO <sub>3</sub> thin films, P.S. Patil, S.H. Mujawar, A.I. Inamdar and S.B. Sadale	250 (2005) 117
Adsorption and diffusion of cyclopentane in silicalite-1: a thermodynamic and kinetic study, L. Duan, X. Zhang, K. Tang, L. Song and Z. Sun	250 (2005) 79	Electroless deposition	
Diatomite		Morphological study of ternary Ni-Cu-P alloys by atomic force microscopy, J.N. Balaraju, C. Anandan and K.S. Rajam	250 (2005) 88
Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for phenol, B. Gao, P. Jiang, F. An, S. Zhao and Z. Ge	250 (2005) 273	Electrostatic interaction  Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for	
Diffusion		phenol, B. Gao, P. Jiang, F. An, S. Zhao and Z. Ge	250 (2005) 273
Adsorption and diffusion of cyclopentane in silicalite-1: a thermodynamic and kinetic study, L. Duan, X. Zhang, K. Tang, L. Song		Ethanol treatment	
and Z. Sun Microstructure and oxidation of hot-dip aluminized titanium at high temperature, W. Deqing, S. Ziyuan and T. Yingli	250 (2005) 79 250 (2005) 238	Field emission from self-assembly structure of carbon-nanotube films, L.M. Sheng, M. Liu, P. Liu, Y. Wei, L. Liu and S.S. Fan	250 (2005) 9
Disorder		Ferroelectrics	
On the role of the interface charge in non-ideal metal-semiconductor contacts, D. Korošak and B. Cvikl	250 (2005) 63	First-principles study of electronic structure and optical properties of barium strontium titanates (Ba <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> ), C.B. Samantaray, H. Sim and H. Hwang	250 (2005) 146

#### Field emission Gaussian distribution Field emission from self-assembly structure of On the barrier inhomogeneities of polyanicarbon-nanotube films, L.M. Sheng, M. line/p-Si/Al structure at low temperature. Liu, P. Liu, Y. Wei, L. Liu and S.S. Fan 250 (2005) 9 Ş. Aydoğan, M. Sağlam and A. Türüt 250 (2005) 43 Fractal Growth mechanism Nanocrystals formation and fractal microstruc-Growth behavior of high k LaAlO, films on Si tural assessment in Au/Ge bilayer films by metalorganic chemical vapor deposition upon annealing, Z.W. Chen, J.K.L. Lai, for alternative gate dielectric application. C.H. Shek and H.D. Chen 250 (2005) 3 Q.-Y. Shao, A.-D. Li, J.-B. Cheng, H.-Q. Ling, D. Wu, Z.-G. Liu, Y.-J. Bao, M. Wang, N.-B. Ming, C. Wang, H.-W. Zhou Free-running laser and B.-Y. Nguyen 250 (2005) 14 Laser-induced damage of Ta2O5/SiO2 narrow-HRTEM band interference filters under different 1064 nm Nd:YAG laser modes, W. Gao, M. Zhan, S. Fan, J. Shao and Z.-X. Fan 250 (2005) 195 Nanocrystals formation and fractal microstructural assessment in Au/Ge bilayer films upon annealing, Z.W. Chen, J.K.L. Lai, Frequency shift C.H. Shek and H.D. Chen 250 (2005) 3 Exact solution of the frequency shift in dynam-Hydrogen bond interaction ic force microscopy, S.-M. Lin 250 (2005) 228 Studies on the surface modification of diatomite Friction coefficient with polyethyleneimine and trapping effect of the modified diatomite for phenol, Laser surface alloying of pure titanium with B. Gao, P. Jiang, F. An, S. Zhao and Z. Ge 250 (2005) 273 TiN-B-Si-Ni mixed powders, Y.S. Tian, C.Z. Chen, D.Y. Wang, Q.H. Huo and T.Q. Hydroxyapatie 250 (2005) 223 Lei Influence of laser remelting on the microstruc-GaN ture and phases constitution of plasma sprayed hydroxyapatite coatings, C. Chen. Ti/Al p-GaN Schottky barrier height deter-D. Wang, Q. Bao, L. Zhang and T. Lei 250 (2005) 98 mined by C-V measurements, J. W. Kim and J. W. Lee 250 (2005) 247 1-V characteristics GaN, P, ternary alloys On the barrier inhomogeneities of polyaniline/p-Si/Al structure at low temperature, The solubility of phosphorus in GaN, X.S. Wu, Ş. Aydoğan, M. Sağlam and A. Türüt 250 (2005) 43 Z.Y. Zhai, Y.H. Fan, D.J. Chen, B. Shen, R. Zhang, Y.D. Zheng and S.S. Jiang 250 (2005) 182 Ideality factor Gate dielectric On the role of the interface charge in non-ideal metal-semiconductor contacts, D. Korošak Growth behavior of high k LaAlO, films on Si and B. Cvikl 250 (2005) 63 by metalorganic chemical vapor deposition for alternative gate dielectric application, Inhibition Q.-Y. Shao, A.-D. Li, J.-B. Cheng, H.-Q. Ling, D. Wu, Z.-G. Liu. Y.-J. Bao, M. Wang, N.-B. Ming, C. Wang, H.-W. Corrosion inhibition of steel in 0.5 M H,SO,

250 (2005) 14

by [(2-pyridin-4-ylethyl)thio]acetic acid.

Zhou and B.-Y. Nguyen

M. Bouklah, A. Ouassini, B. Hammouti		Li deposition	
and A. El Idrissi	250 (2005) 50	Photoelectron spectroscopic study of Li oxides	
		on Li over-deposited V2O5 thin film surfaces,	
Interface charge		QH. Wu, A. Thissen and W. Jaegermann	250 (2005) 57
On the role of the interface charge in non-ideal		Matal annual about along	
metal-semiconductor contacts, D. Korošak	250 (2005) 42	Metal-organic chemical vapor	
and B. Cvikl	250 (2005) 63	deposition	
		Well-aligned ZnO nanowires grown on Si sub-	
Ion implantation		strate via metal-organic chemical vapor deposition, YJ. Zeng, ZZ. Ye, WZ. Xu,	
The solubility of phosphorus in GaN, X.S. Wu,		LP. Zhu and BH. Zhao	250 (2005) 280
Z.Y. Zhai, Y.H. Fan, D.J. Chen, B. Shen,	250 (2005) 192		
R. Zhang, Y.D. Zheng and S.S. Jiang	250 (2005) 182	Metal-semiconductor interface	
LaAlO, film		On the role of the interface charge in non-ideal	
		metal-semiconductor contacts, D. Korošak and B. Cvikl	250 (2005) 62
Growth behavior of high k LaAlO <sub>3</sub> films on Si by metalorganic chemical vapor deposition		and B. CVIKI	250 (2005) 63
for alternative gate dielectric application,		Metal-semiconductor-metal	
QY. Shao, AD. Li, JB. Cheng, HQ. Ling, D. Wu, ZG. Liu, YJ. Bao,		contacts	
M. Wang, NB. Ming, C. Wang,			
HW. Zhou and BY. Nguyen	250 (2005) 14	The dependence of I-V and C-V characteris- tics on temperature in the H-terminated	
		Pb/p-Si(1 0 0) Schottky barrier diodes,	
Langmuir		Ç. Nuhoğlu, E. Özerden and A. Türüt	250 (2005) 203
Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>4</sub>		Microstructure	
by [(2-pyridin-4-ylethyl)thio]acetic acid, M. Bouklah, A. Ouassini, B. Hammouti		MICIOSITUCIUTE	
and A. El Idrissi	250 (2005) 50	Influence of laser remelting on the microstruc-	
		ture and phases constitution of plasma	
Laser alloying		sprayed hydroxyapatite coatings, C. Chen, D. Wang, Q. Bao, L. Zhang and T. Lei	250 (2005) 98
Laser surface alloying of pure titanium with TiN-B-Si-Ni mixed powders, Y.S. Tian,		MOCVD	
C.Z. Chen, D.Y. Wang, Q.H. Huo and			
T.Q. Lei	250 (2005) 223	Growth behavior of high k LaAlO <sub>3</sub> films on Si by metalorganic chemical vapor deposition	
		for alternative gate dielectric application,	
Laser remelting		QY. Shao, AD. Li, JB. Cheng, HQ.	
Influence of laser remelting on the microstruc-		Ling, D. Wu, ZG. Liu, YJ. Bao, M. Wang, NB. Ming, C. Wang, HW. Zhou	
ture and phases constitution of plasma		and BY. Nguyen	250 (2005) 14
sprayed hydroxyapatite coatings, C. Chen, D. Wang, Q. Bao, L. Zhang and T. Lei	250 (2005) 98	The solubility of phosphorus in GaN, X.S. Wu, Z.Y. Zhai, Y.H. Fan, D.J. Chen, B. Shen, R.	
		Zhang, Y.D. Zheng and S.S. Jiang	250 (2005) 182
Laser-induced damage		Moisture barrier	
		The state of the s	
Laser-induced damage of Ta2O5/SiO2 narrow-		Moisture barrier of Al <sub>x</sub> O <sub>y</sub> coating on poly	
band interference filters under different 1064 nm Nd:YAG laser modes, W. Gao,		(ethylene terephthalate), poly(ethylene naphthalate) and poly(carbonate) sub-	
M. Zhan, S. Fan, J. Shao and ZX. Fan	250 (2005) 195	strates, H. Low and Y. Xu	250 (2005) 135

Nanocrystal		pulsed laser deposition, W. Wang, Z. Dai, Y. Sun, Y. Sun and D. Guan	250 (2005) 268
Nanocrystals formation and fractal microstruc- tural assessment in Au/Ge bilayer films			
upon annealing, Z.W. Chen, J.K.L. Lai, C.H. Shek and H.D. Chen	250 (2005) 3	Optical properties	
Nanoparticles		First-principles study of electronic structure and optical properties of barium strontium titanates (Ba <sub>3</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> ), C.B. Samantaray, H. Sim and H. Hwang	250 (2005) 146
A simple method for selective immobilization of silver nanoparticles, Z. Li, Y. Li, XF.			250 (2005) 140
Qian, J. Yin and ZK. Zhu	250 (2005) 109	Optical	
Nanostructure		Bismuth oxide thin films prepared by chemical bath deposition (CBD) method: annealing effect, T.P. Gujar, V.R. Shinde,	
Surface structure and composition of flat titani- um thin films as a function of film thickness and evaporation rate, K. Cai, M. Müller,		C.D. Lokhande, R.S. Mane and SH. Han	250 (2005) 161
J. Bossert, A. Rechtenbach and K. D. Jandt	250 (2005) 252	Oxidation resistance	
Nanowires		Laser surface alloying of pure titanium with TiN-B-Si-Ni mixed powders, Y.S. Tian, C.Z. Chen, D.Y. Wang, Q.H. Huo and	
Well-aligned ZnO nanowires grown on Si sub- strate via metal-organic chemical vapor deposition, YJ. Zeng, ZZ. Ye, WZ. Xu,	250 (2005) 200	T.Q. Lei	250 (2005) 223
LP. Zhu and BH. Zhao	250 (2005) 280	Oxidation	
Narrow-band interference filter		Microstructure and oxidation of hot-dip aluminized titanium at high temperature, W. Deqing, S. Ziyuan and T. Yingli	250 (2005) 238
Laser-induced damage of Ta <sub>2</sub> O <sub>5</sub> /SiO <sub>2</sub> narrow- band interference filters under different 1064 nm Nd: YAG laser modes, W. Gao, M.		Partial oxidation of methanol	
Zhan, S. Fan, J. Shao and ZX. Fan	250 (2005) 195	Promotion of partial oxidation of methanol	
Ni–Cu–P		over thin Pt and Pd film catalysts by reso- nance oscillation of acoustic waves, Y. Yukawa, N. Saito, H. Nishiyama and	
Morphological study of ternary Ni-Cu-P alloys by atomic force microscopy, J.N. Balaraju, C. Anandan and K.S. Rajam	250 (2005) 88	Y. Inoue	250 (2005) 104
		Passivity	
Non-contact mode		Corrosion resistance study of Fe-Mn-Al-C	
Exact solution of the frequency shift in dynamic force microscopy, SM. Lin	250 (2005) 228	alloys using immersion and potentiostatic tests, V. F.C. Lins, M. A. Freitas and E. M. Paula e Silva	250 (2005) 124
Optical constants			
Structural and optical properties of thermally evaporated Bi <sub>2</sub> Te <sub>3</sub> films, H.E.A. El-Sayed	250 (2005) 70	PC	
Optical nonlinearity		Moisture barrier of Al <sub>3</sub> O <sub>3</sub> coating on poly(eth- ylene terephthalate), poly(ethylene naph-	
Picosecond nonlinear optical response of Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> thin films fabricated by		thalate) and poly(carbonate) substrates, H. Low and Y. Xu	250 (2005) 135

#### PEDOT-PSS

Effects of poly(ethylene glycol) on electrical conductivity of poly(3.4-ethylenedioxythio-phene)-poly(styrenesulfonic acid) film, T. Wang, Y. Qi, J. Xu, X. Hu and P. Chen

- accelerated weathering test, A. Temiz, U.C. Yildiz, I. Aydin, M. Eikenes, G. Alfredsen and G. Çolakoglu
- 250 (2005) 35

250 (2005) 188

250 (2005) 135

250 (2005) 135

250 (2005) 98

## Plasma spraying

### PEN

- Moisture barrier of Al<sub>x</sub>O<sub>y</sub> coating on poly (ethylene terephthalate), poly(ethylene naphthalate) and poly(carbonate) substrates, H. Low and Y. Xu
- Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings, C. Chen, D. Wang, Q. Bao, L. Zhang and T. Lei
  - 250 (2005) 98

### PET

- Moisture barrier of Al<sub>x</sub>O<sub>y</sub> coating on poly(ethylene terephthalate), poly(ethylene naphthalate) and poly(carbonate) substrates, H. Low and Y. Xu
- Polyethyleneimine

  Studies on the surface modification of

# and Z. Ge

## 250 (2005) 273

## Phases constitution

Influence of laser remelting on the microstructure and phases constitution of plasma sprayed hydroxyapatite coatings, C. Chen, D. Wang, Q. Bao, L. Zhang and T. Lei

# Porosity

Pore size control of Pitch-based activated carbon fibers by pyrolytic deposition of propylene, J. Xie, X. Wang, J. Deng and L. Zhang

diatomite with polyethyleneimine and trapping effect of the modified diatomite for

phenol, B. Gao, P. Jiang, F. An, S. Zhao

# 250 (2005) 152

#### Phenol

Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for phenol, B. Gao, P. Jiang, F. An, S. Zhao and Z. Ge

### Potentiostatic

Corrosion resistance study of Fe-Mn-Al-C alloys using immersion and potentiostatic tests, V. F.C. Lins, M. A. Freitas and E. M. Paula e Silva

# 250 (2005) 124

## Photodegradation

Surface roughness and color characteristics of wood treated with preservatives after accelerated weathering test, A. Temiz, U.C. Yildiz, I. Aydin, M. Eikenes, G. Alfredsen and G. Çolakoglu

# 250 (2005) 273 Propylene

Pore size control of Pitch-based activated carbon fibers by pyrolytic deposition of propylene, J. Xie, X. Wang, J. Deng and L. Zhang

# 250 (2005) 152

# Physical adsorption

Pore size control of Pitch-based activated carbon fibers by pyrolytic deposition of propylene, J. Xie, X. Wang, J. Deng and L. Zhang

# 250 (2005) 35 *p-Si/Al structures*

250 (2005) 152

On the barrier inhomogeneities of polyaniline/p-Si/Al structure at low temperature, Ş. Aydoğan, M. Sağlam and A. Türüt

Pt-TiO, strong interaction

# 250 (2005) 43

## Pine

- Surface roughness and color characteristics of wood treated with preservatives after
- Study of strong interaction between Pt and
  TiO<sub>2</sub> under oxidizing atmosphere,
  M. Žhang, Z. Jin, Z. Zhang and H. Dang 250 (2005) 29

### Pulsed laser deposition

# Schottky diodes

Picosecond nonlinear optical response of Ba<sub>0.5</sub>Sr<sub>0.5</sub>TiO<sub>3</sub> thin films fabricated by pulsed laser deposition, W. Wang, Z. Dai, Y. Sun, Y. Sun and D. Guan

250 (2005) 268

The dependence of I-V and C-V characteristics on temperature in the H-terminated Pb/p-Si(1 0 0) Schottky barrier diodes, Ç. Nuhoğlu, E. Özerden and A. Türüt

250 (2005) 203

### PVP

#### A simple method for selective immobilization of silver nanoparticles, Z. Li, Y. Li, X.-F. Qian, J. Yin and Z.-K. Zhu

250 (2005) 109

A simple method for selective immobilization of silver nanoparticles, Z. Li, Y. Li, X.-F. Qian, J. Yin and Z.-K. Zhu

250 (2005) 109

# Pyridine

Corrosion inhibition of steel in 0.5 M H,SO, by [(2-pyridin-4-ylethyl)thio]acetic acid, M. Bouklah, A. Ouassini, B. Hammouti and A. El Idrissi

250 (2005) 50

Selectivity of partial oxidation

Selective immobilization

Promotion of partial oxidation of methanol over thin Pt and Pd film catalysts by resonance oscillation of acoustic waves, Y. Yukawa, N. Saito, H. Nishiyama and Y. Inoue 250 (2005) 104

### Resonance oscillation

Promotion of partial oxidation of methanol over thin Pt and Pd film catalysts by resonance oscillation of acoustic waves, Y. Yukawa, N. Saito, H. Nishiyama and Y. Inoue

250 (2005) 104

Self-affine scaling

Si-SiO, interface formation in low-dose lowenergy separation by implanted oxygen materials, T. Jutarosaga, S. Manne and S. Seraphin

250 (2005) 168

# Scaling analysis

Si-SiO, interface formation in low-dose lowenergy separation by implanted oxygen materials, T. Jutarosaga, S. Manne and S. Seraphin

250 (2005) 168

Self-sensing probe

Application of a self-sensing conductive probe for Si device imaging, Y. Naitou and N. Ookubo

250 (2005) 209

# Scanning electron microscopy

Well-aligned ZnO nanowires grown on Si substrate via metal-organic chemical vapor deposition, Y.-J. Zeng, Z.-Z. Ye, W.-Z. Xu, L.-P. Zhu and B.-H. Zhao

250 (2005) 280

SEM

Bismuth oxide thin films prepared by chemical bath deposition (CBD) method: annealing effect, T.P. Gujar, V.R. Shinde, C.D. Lokhande, R.S. Mane and S.-H. Han

250 (2005) 161

#### Scanning probe microscope

Application of a self-sensing conductive probe for Si device imaging, Y. Naitou and N. Ookubo

250 (2005) 209

Semiconductor

Characterization of WO3:Ag films: ToF-SIMS studies of ammonia adsorption, C. Bittencourt, M.P. Felicissimo, A. Felten, L.A.O. Nunes, P. Ivanov, E. Llobet, J.-J. Pireaux and L. Houssiau

250 (2005) 21

### Schottky barrier

On the role of the interface charge in non-ideal metal-semiconductor contacts, D. Korošak and B. Cvikl

250 (2005) 63

Separation by implanted oxygen materials

Si-SiO, interface formation in low-dose lowenergy separation by implanted oxygen

### Subject Index

materials, T. Jutarosaga, S. Manne and S. Seraphin	250 (2005) 168	S.H. Mujawar, A.I. Inamdar and S.B. Sadale	250 (2005) 117
Silicalite-1		Steel	
Adsorption and diffusion of cyclopentane in silicalite-1: a thermodynamic and kinetic study, L. Duan, X. Zhang, K. Tang, L. Song and Z. Sun	250 (2005) 79	Corrosion inhibition of steel in 0.5 M H <sub>2</sub> SO <sub>4</sub> by [(2-pyridin-4-ylethyl)thio]acetic acid, M. Bouklah, A. Ouassini, B. Hammouti and A. El Idrissi	250 (2005) 50
Silver		Surface characterization	
A simple method for selective immobilization of silver nanoparticles, Z. Li, Y. Li, XF. Qian, J. Yin and ZK. Zhu	250 (2005) 109	Surface structure and composition of flat tita- nium thin films as a function of film thick- ness and evaporation rate, K. Cai, M. Müller, J. Bossert, A. Rechtenbach and K. D. Jandt	250 (2005) 252
Single-pulse laser		C. D. Janus	230 (2003) 232
Laser-induced damage of Ta <sub>2</sub> O <sub>5</sub> /SiO <sub>2</sub> narrow- band interference filters under different		Surface energy	
1064 nm Nd:YAG laser modes, W. Gao, M. Zhan, S. Fan, J. Shao and ZX. Fan	250 (2005) 195	Moisture barrier of Al <sub>x</sub> O <sub>y</sub> coating on poly(eth- ylene terephthalate), poly(ethylene naph- thalate) and poly(carbonate) substrates,	
Si-SiO <sub>2</sub> interfaces		H. Low and Y. Xu	250 (2005) 135
Si-SiO <sub>2</sub> interface formation in low-dose low-energy separation by implanted oxygen materials, T. Jutarosaga, S. Manne and S. Seraphin	250 (2005) 168	Surface modification  Studies on the surface modification of diatomite with polyethyleneimine and trapping effect of the modified diatomite for	
Size tunable		phenol, B. Gao, P. Jiang, F. An, S. Zhao and Z. Ge	250 (2005) 273
A simple method for selective immobilization of silver nanoparticles, Z. Li, Y. Li, XF. Qian, J. Yin and ZK. Zhu	250 (2005) 109	Surface roughness	
Solubility of P		Surface roughness and color characteristics of wood treated with preservatives after accel-	
The solubility of phosphorus in GaN, X.S. Wu, Z.Y. Zhai, Y.H. Fan, D.J. Chen, B. Shen, R. Zhang, Y.D. Zheng and S.S. Jiang	250 (2005) 182	erated weathering test, A. Temiz, U.C. Yildiz, I. Aydin, M. Eikenes, G. Alfredsen and G. Çolakoglu Moisture barrier of Al <sub>2</sub> O <sub>2</sub> coating on poly(eth-	250 (2005) 35
Spectral photoconductivity		ylene terephthalate), poly(ethylene naph- thalate) and poly(carbonate) substrates,	
Photoconductivity in the ordered vacancy compound CuIn <sub>5</sub> Se <sub>8</sub> , R. R. Philip, B. Pradeep and T. Shripathi	250 (2005) 216	H. Low and Y. Xu  Thermodynamic	250 (2005) 135
Spray pyrolysis		Adsorption and diffusion of cyclopentane in	
Electrochromic properties of spray deposited TiO <sub>2</sub> -doped WO <sub>3</sub> thin films, P.S. Patil,		silicalite-1: a thermodynamic and kinetic study, L. Duan, X. Zhang, K. Tang, L. Song and Z. Sun	250 (2005) 79

Thin films		C. Bittencourt, M.P. Felicissimo, A. Felten, L.A.O. Nunes, P. Ivanov, E. Llobet,	
Electrochromic properties of spray deposited TiO <sub>2</sub> -doped WO <sub>3</sub> thin films, P.S. Patil, S.H.	250 (2005) 117	JJ. Pireaux and L. Houssiau	250 (2005) 21
Mujawar, A.I. Inamdar and S.B. Sadale	250 (2005) 117	Transient photoconductivity	
Thin Pd film catalysts		Photoconductivity in the ordered vacancy com-	
Promotion of partial oxidation of methanol over thin Pt and Pd film catalysts by reso- nance oscillation of acoustic waves,		pound CuIn <sub>5</sub> Se <sub>8</sub> , R. R. Philip, B. Pradeep and T. Shripathi	250 (2005) 216
Y. Yukawa, N. Saito, H. Nishiyama and Y. Inoue	250 (2005) 104	Transition metal oxides	
Thin Pt film catalysts		Characterization of WO <sub>3</sub> :Ag films: ToF-SIMS studies of ammonia adsorption. C. Bittencourt, M.P. Felicissimo, A. Felten, L.A.O. Nunes. P. Ivanov, E. Llobet.	
Promotion of partial oxidation of methanol over thin Pt and Pd film catalysts by reso- nance oscillation of acoustic waves,		JJ. Pireaux and L. Houssiau	250 (2005) 21
Y. Yukawa, N. Saito, H. Nishiyama and Y. Inoue	250 (2005) 104	Tuning fork	
$T_iO_2$		Application of a self-sensing conductive probe for Si device imaging, Y. Naitou and N. Ookubo	250 (2005) 209
Electrochromic properties of spray deposited TiO <sub>2</sub> -doped WO <sub>3</sub> thin films, P.S. Patil, S.H. Mujawar, A.I. Inamdar and S.B. Sadale	250 (2005) 117	UPS	
Titanium aluminide		Photoelectron spectroscopic study of Li oxides on Li over-deposited V <sub>2</sub> O <sub>5</sub> thin film sur- faces, QH. Wu, A. Thissen and W. Jaegermann	250 (2005) 57
Microstructure and oxidation of hot-dip alu- minized titanium at high temperature, W. Deqing, S. Ziyuan and T. Yingli	250 (2005) 238	UV-ozone	550 (2005) 57
Titanium thin film		Moisture barrier of Al <sub>x</sub> O <sub>y</sub> coating on poly (ethylene terephthalate), poly(ethylene naphthalate) and poly(carbonate) sub-	
Surface structure and composition of flat tita- nium thin films as a function of film thick- ness and evaporation rate, K. Cai,		strates, H. Low and Y. Xu	250 (2005) 135
M. Müller, J. Bossert, A. Rechtenbach and K. D. Jandt	250 (2005) 252	$V_2O_5$	
Titanium		Photoelectron spectroscopic study of Li oxides on Li over-deposited V <sub>2</sub> O <sub>5</sub> thin film surfaces, QH. Wu, A. Thissen and	
Laser surface alloying of pure titanium with TiN-B-Si-Ni mixed powders, Y.S. Tian, C.Z. Chen, D.Y. Wang, Q.H. Huo and		W. Jaegermann	250 (2005) 57
T.Q. Lei	250 (2005) 223	$WO_3$	
ToF-SIMS		Electrochromic properties of spray deposited TiO <sub>2</sub> -doped WO <sub>3</sub> thin films, P.S. Patil,	
Characterization of WO <sub>3</sub> :Ag films: ToF-SIMS studies of ammonia adsorption,		S.H. Mujawar, A.I. Inamdar and S.B. Sadale	250 (2005) 117

#### Subject Index

#### XPS

- Study of strong interaction between Pt and TiO<sub>2</sub> under oxidizing atmosphere, M. Zhang, Z. Jin, Z. Zhang and H. Dang
- Photoelectron spectroscopic study of Li oxides on Li over-deposited V<sub>2</sub>O<sub>5</sub> thin film surfaces, Q.-H. Wu, A. Thissen and W. Jaegermann
- Morphological study of ternary Ni-Cu-P alloys by atomic force microscopy, J.N. Balaraju, C. Anandan and K.S. Rajam
- Surface structure and composition of flat titanium thin films as a function of film thickness and evaporation rate, K. Cai, M. Müller, J. Bossert, A. Rechtenbach and K. D. Jandt

### X-ray photoelectron spectroscopy

Effects of poly(ethylene glycol) on electrical conductivity of poly(3.4-ethylene-dioxythiophene)-poly(styrenesulfonic acid) film, T. Wang, Y. Qi, J. Xu, X. Hu and P. Chen

### Photoconductivity in the ordered vacancy compound CuIn<sub>5</sub>Se<sub>8</sub>, R. R. Philip, B. Pradeep and T. Shripathi

- 250 (2005) 29 XRD
- Surface structure and composition of flat titanium thin films as a function of film thickness 250 (2005) 57 and evaporation rate, K. Cai, M. Müller, J. Bossert, A. Rechtenbach and K. D. Jandt
- 250 (2005) 88 Z-scan

250 (2005) 188

Picosecond nonlinear optical response of Ba<sub>0.5</sub>Sr<sub>0.5</sub>TiO<sub>3</sub> thin films fabricated by 250 (2005) 252 pulsed laser deposition, W. Wang, Z. Dai, Y. Sun, Y. Sun and D. Guan

### Zinc compounds

Well-aligned ZnO nanowires grown on Si substrate via metal-organic chemical vapor deposition, Y.-J. Zeng, Z.-Z. Ye, W.-Z. Xu, L.-P. Zhu and B.-H. Zhao

### 250 (2005) 280

250 (2005) 216

250 (2005) 252

250 (2005) 268

